

ABSTRACT

5 The invention described herein provides for methods and devices for treating tissues, and in particular, ischemic heart tissue. Preferred devices includes tools integrating both injury and treatment effectors in a single unit. An optional third effector provides an effector for marking locations on a tissue surface that have been visited by the device. Methods are provided in which a target tissue is identified, injury sites are created at known locations, and therapeutic-substance is infused at known locations different than the injury sites.